

## CENTRAL NEVADA DESERT BASINS, SPRING-STEPTOE VALLEYS

10244950 STEPTOE CREEK NEAR ELY, NV

LOCATION.--Lat 39°12'05.54", long 114°41'20.98" referenced to North American Datum of 1983, in SW 1/4 SW 1/4 sec. 32, T.16 N., R.65 E., White Pine County, Hydrologic Unit 16060008, in Humboldt National Forest, on left bank, 0.1 mi downstream from Clear Creek, 0.8 mi upstream from Cave Creek, and 11 mi southeast of Ely.

DRAINAGE AREA.--11.1 mi<sup>2</sup>.

PERIOD OF RECORD.--June 1966 to current year.

PRECIPITATION: July 1991 to March 1996 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 7,440 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 85 ft<sup>3</sup>/s, July 21, 1985, gage height, 3.21 ft; minimum daily, 1.6 ft<sup>3</sup>/s, February 20 and 21, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5.7 ft<sup>3</sup>/s, June 17, gage height, 1.63 ft; minimum daily discharge, 1.9 ft<sup>3</sup>/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	3.6	2.8	2.6	2.0	2.1	2.5	2.6	3.8	3.7	3.1	2.5
2	3.4	3.5	2.7	2.7	2.0	2.1	2.5	2.7	4.0	3.6	2.9	2.4
3	3.4	3.6	2.7	2.7	2.0	2.0	2.5	2.7	4.1	3.5	2.8	2.6
4	3.4	3.4	2.7	2.5	2.0	2.0	2.5	3.0	4.2	3.6	2.8	2.6
5	3.3	3.4	2.6	2.6	2.0	2.0	2.5	3.7	4.2	3.4	2.8	2.6
6	3.3	3.4	2.5	2.7	2.0	2.0	2.6	4.2	4.2	3.3	2.8	2.6
7	3.3	3.4	2.6	2.6	2.0	2.0	2.7	4.3	4.2	3.3	2.7	2.5
8	3.3	3.3	2.5	2.3	2.0	2.0	2.7	4.3	4.1	3.3	2.7	2.6
9	3.3	3.3	2.4	2.2	2.0	2.0	2.7	4.6	4.0	3.2	2.7	2.5
10	3.4	3.3	2.5	2.2	2.0	2.0	2.7	4.9	3.9	3.2	2.6	2.5
11	3.4	3.3	2.5	2.2	2.0	2.0	2.7	4.9	3.7	3.2	2.6	2.6
12	3.4	3.1	2.5	2.2	2.0	2.0	2.7	4.7	3.6	3.2	2.6	2.7
13	3.4	3.2	2.5	2.2	2.0	2.1	2.7	4.1	3.6	3.2	2.6	2.7
14	3.6	3.2	2.5	2.1	2.0	2.2	2.7	3.9	3.6	3.2	2.6	2.6
15	3.6	3.2	2.5	2.1	1.9	2.1	2.7	3.8	3.6	3.2	3.0	2.6
16	3.6	3.2	2.3	2.1	1.9	2.1	2.7	3.9	3.6	3.1	2.9	2.6
17	3.6	3.2	2.3	2.1	1.9	2.1	2.7	4.2	4.0	3.1	2.8	2.5
18	3.6	3.1	2.3	2.1	1.9	2.2	2.6	4.8	4.3	3.1	2.8	2.4
19	3.6	3.1	2.3	2.1	1.9	2.2	2.5	4.9	4.1	3.1	2.8	2.6
20	3.4	3.1	2.3	2.1	1.9	2.3	2.5	4.8	4.1	3.1	2.8	2.7
21	3.4	3.0	2.3	2.0	1.9	2.4	2.5	4.6	4.1	3.0	2.8	2.7
22	3.4	2.9	2.2	2.0	1.9	2.5	2.5	4.4	4.1	3.0	2.7	2.6
23	3.4	2.8	2.3	2.0	1.9	2.5	2.5	4.3	3.9	3.1	2.7	2.4
24	3.4	2.8	2.3	2.1	1.9	2.7	2.5	4.1	3.8	3.0	2.6	2.4
25	3.4	2.9	2.3	2.0	1.9	2.6	2.5	4.2	3.8	2.9	2.6	2.4
26	3.4	2.9	2.2	2.0	2.0	2.7	2.5	4.1	3.8	3.1	2.6	2.4
27	3.5	2.7	2.2	2.1	2.1	2.6	2.5	3.8	3.8	3.2	2.6	2.5
28	3.6	2.7	2.3	2.1	2.1	2.5	2.7	4.0	3.8	3.1	2.7	2.4
29	3.6	2.7	2.4	2.0	2.1	2.5	2.7	4.1	3.8	3.1	2.7	2.4
30	3.7	2.8	2.5	2.0	---	2.4	2.7	3.9	3.8	3.0	2.6	2.4
31	3.6	---	2.6	2.0	---	2.4	---	3.8	---	3.0	2.6	---
TOTAL	107.0	94.1	75.6	68.7	57.2	69.3	78.0	126.3	117.6	99.1	84.6	76.0
MEAN	3.45	3.14	2.44	2.22	1.97	2.24	2.60	4.07	3.92	3.20	2.73	2.53
MAX	3.7	3.6	2.8	2.7	2.1	2.7	2.7	4.9	4.3	3.7	3.1	2.7
MIN	3.3	2.7	2.2	2.0	1.9	2.0	2.5	2.6	3.6	2.9	2.6	2.4
AC-FT	212	187	150	136	113	137	155	251	233	197	168	151

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2004, BY WATER YEAR (WY)

MEAN	4.90	4.44	3.93	3.62	3.57	4.01	5.81	11.6	14.5	9.89	6.57	5.31
(WY)	(1983)	(1983)	(1983)	(1984)	(1984)	(1983)	(1984)	(1983)	(1983)	(1983)	(1983)	(1983)
MAX	10.7	9.74	8.49	7.02	7.09	8.85	13.9	39.7	59.4	33.5	18.0	11.9
(WY)	(1993)	(1993)	(1993)	(1993)	(1993)	(1991)	(1991)	(1991)	(1992)	(1992)	(1992)	(1992)
MIN	2.22	2.04	1.94	1.89	1.81	1.94	2.34	2.48	3.52	2.71	2.20	2.16

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10244950 STEPTOE CREEK NEAR ELY, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1966 - 2004
ANNUAL TOTAL	1,418.7	1,053.5	
ANNUAL MEAN	3.89	2.88	6.57
HIGHEST ANNUAL MEAN			18.9
LOWEST ANNUAL MEAN			2.84
HIGHEST DAILY MEAN	17	May 30	73
LOWEST DAILY MEAN	2.0	Jan 7	Feb 15
ANNUAL SEVEN-DAY MINIMUM	2.1	Jan 1	1.9
MAXIMUM PEAK FLOW			5.7
MAXIMUM PEAK STAGE			1.64
ANNUAL RUNOFF (AC-FT)	2,810	2,090	4,760
10 PERCENT EXCEEDS	6.2	3.9	13
50 PERCENT EXCEEDS	3.4	2.7	4.5
90 PERCENT EXCEEDS	2.2	2.0	2.6